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FLORIDA AGRICULTURE

CITRUS

COMMERCIAL CITRUS INVENTORY PRELIMINARY REPORT

September 17, 2004

ALL CITRUS ACREAGE DECREASED TO 748,555

Florida's citrus acreage, declining for most of the past decade, totals 748,555 acres as of January 2004. A net decrease of 48,748 acres, 6.1 percent, has occurred in the past two years. Plantings during 2002 and 2003 totaled 40,127 acres, but were outstripped by removals at a rate of over 2:1. This gross loss of 88,875 acres is the largest amount in a non-freeze survey period since the initial survey in 1966. Diseases such as tristeza, citrus canker, and the citrus root weevil have contributed to the loss. Total trees at 97.9 million are down 5.1 percent from the 103.2 million trees in 2002.

Polk County is the leader with 95,050 acres of citrus, followed by Hendry with 93,155 and St. Lucie with 82,987. These three counties comprise over one-third of the citrus acreage in the state. Hendry continues to lead in total trees with 14.3 million and averages 153 trees per acre, 17 percent above the state average of 131trees per acre. Following in tree numbers are Polk with a density of 117 trees per acre and St. Lucie with 125. Acreage increased in three of the 31 counties in the past two years. Beginning with this report Miami-Dade County data is excluded.

ORANGE ACREAGE DECREASED TO 622,821

For the third consecutive survey all orange acres decreased. As of January 2004, there were 622,821 acres compared to 648,806 acres in 2002, a 4.0 percent loss. Current orange trees number 83.0 million compared to 85.8 million trees in 2002, a 3.2 percent loss. Bearing orange trees from this census (planted in 2000 and earlier years) are for use with the 2003-2004 harvest season and total 75.4 million compared to 77.6 million in 2002.

Acreage decreased for all orange categories except other early and other midseason oranges which include the newer varieties. Hamlin acreage is 200,944, down 3.9 percent from the 209,009 acres reported in 2002. Navel acreage has decreased 17 percent to 16,340 from 19,752 in the previous census. Ambersweet acreage at 3,355 is down 37 percent from 2002 and 79 percent from the high of 15,704 in 1996. Valencias have a 1.2 percent decrease to 321,991 acres, compared with 325,758 in the previous census.

GRAPEFRUIT ACREAGE DECREASED TO 89,048

Nearly 40 percent of the grapefruit acreage has been lost since the record set in 1994. The 2004 total is 16 percent lower than in 2002. Colored varieties are down 12 percent from 62,328 acres in 2002 to 54,619 in 2004 while white seedless is 32,199 acres, down 20 percent from the 40,179 in 2002. Seedy grapefruit acreage, in a steady decline since the recorded high in 1968, is down 35 percent from 2002 at 1,236.

SPECIALTY ACREAGE DECREASED TO 36,686

Specialty citrus types decreased 15 percent to 36,686 in 2004 from 43,009 acres in 2002. Temple acreage continues to decline and is down 25 percent. Acreage declined for the fourth time for Fallglo and Sunburst early tangerine varieties. Honey tangerine acreage, down less than 1.0 percent, accounts for 45 percent of the total tangerine acreage. Tangelo acreage decreased 13 percent with the main variety (Orlando) down 23 percent, however Minneolas increased 1.2 percent. Lemon acreage increased 1.6 percent. The small quantities of Robinson and Dancy tangerines, limes, and K-Early Citrus are now included in Other Citrus.

FLORIDA COMMERCIAL CITRUS: Acreage

Census years	Oranges	Grapefruit	Specialty fruit	Total
1968	713,400	119,883	97,966	931,249
1970	715.806	124.050	101.615	941.471
1972	659,418	124,142	94,459	878,019
1974	642,431	130,326	91,341	864,098
1976	628,567	137,909	85,893	852,369
1978	616,020	136,342	78,873	831,235
1980	627,174	139,944	78,165	845,283
1982	636,864	139,939	71,053	847,856
1984	573,991	134,680	52,694	761,365
1986	466,252	117,845	40,395	624,492
1988	536,737	119,606	41,586	697,929
1990	564,809	125,300	42,658	732,767
1992	608,636	135,166	47,488	791,290
1994	653,370	146,915	53,457	853,742
1996	656,598	144,416	56,673	857,687
1998	658,390	132,817	54,053	845,260
1999	--	121,258	--	--
2000	665,529	118,145	48,601	832,275
2002	648,806	105,488	43,009	797,303
2004	622,821	89,048	36,686	748,555

FLORIDA COMMERCIAL CITRUS:
Acreage changes between censuses

Census years	Two year change		Net change	Total
	Gross loss	New plantings		
1968	13,910	87,077	+73,167	931,249
1970	26,114	36,336	+10,222	941,471
1972 [2/]	82,948	19,496	-63,452	878,019
1974	40,181	26,260	-13,921	864,098
1976	40,518	28,789	-11,729	852,369
1978 [2/]	49,127	27,993	-21,134	831,235
1980	25,925	39,973	+14,048	845,283
1982 [2/]	51,942	54,515	+2,573	847,856
1984 [2/]	159,719	73,228	-86,491	761,365
1986 [2/]	185,598	48,725	-136,873	624,492
1988	52,240	125,677	+73,437	697,929
1990 [2/]	85,858	120,696	+34,838	732,767
1992	74,704	133,227	+58,523	791,290
1994	45,214	107,666	+62,452	853,742
1996	35,947	39,892	+3,945	857,687
1998	49,325	36,898	-12,427	845,260
2000	59,516	46,531	-12,985	832,275
2002	77,197	42,225	-34,972	797,303
2004	88,875	40,127	-48,748	748,555

[1/] First census via aerial photography in 1966.
[2/] January freezes in 1971, 1977, 1981, 1982, 1985, and 1986. December freezes in 1983, 1985, and 1989.

ALL CITRUS: Number of acres, by variety and year set

Year set	All citrus	Oranges					Specialty		Other citrus
		Early	Midseason	Late	Uniden-tified	Total	Temples	Tangelos	
					Acres				
Pre-1960	26,484	6,396	4,173	12,862	13	23,444	630	340	53
1960-69	57,240	16,450	8,018	18,163	28	42,659	1,262	1,494	258
1970-79	40,538	9,784	3,705	13,535	0	27,024	164	210	66
1980	6,361	2,601	451	2,544	0	5,596	8	16	5
1981	9,338	4,487	463	3,003	0	7,953	37	26	9
1982	11,940	5,398	700	3,823	0	9,921	21	36	16
1983	18,349	9,016	1,379	5,945	2	16,342	16	76	24
1984	13,396	5,626	662	4,868	0	11,156	33	96	23
1985	12,758	6,047	691	5,052	2	11,792	14	70	22
1986	24,486	11,306	849	10,144	0	22,299	135	244	73
1987	45,505	18,796	2,254	19,393	0	40,443	99	505	209
1988	37,367	13,076	1,738	15,687	62	30,563	106	700	241
1989	52,994	17,278	2,410	24,053	30	43,771	178	462	192
1990	49,315	14,224	1,817	23,795	50	39,886	45	572	192
1991	58,475	19,968	2,380	25,585	76	48,009	91	835	307
1992	51,595	14,368	2,691	23,425	53	40,537	103	702	230
1993	31,879	8,090	2,296	14,575	30	24,991	89	386	286
1994	14,638	3,689	1,002	6,898	6	11,595	18	309	214
1995	18,443	6,194	1,080	8,671	20	15,965	54	177	134
1996	14,621	3,833	985	7,419	14	12,251	78	174	138
1997	21,819	5,247	1,201	13,347	39	19,834	97	144	88
1998	21,767	5,262	1,330	12,904	50	19,546	57	215	29
1999	24,788	7,649	1,565	13,156	746	23,116	48	128	61
2000	17,899	5,112	1,599	8,572	868	16,151	36	112	41
Bearing	**681,995**	**219,897**	**45,439**	**297,419**	**2,089**	**564,844**	**3,419**	**8,029**	**2,911**
2001	26,433	8,591	1,636	11,927	1,610	23,764	68	88	89
2002	20,857	5,596	1,273	6,746	4,404	18,019	28	253	86
2003	19,270	6,124	1,250	5,899	2,921	16,194	63	289	53
Non-bearing	**66,560**	**20,311**	**4,159**	**24,572**	**8,935**	**57,977**	**159**	**630**	**228**
Total	**748,555**	**240,208**	**49,598**	**321,991**	**11,024**	**622,821**	**3,578**	**8,659**	**3,139**

Continued

ALL CITRUS: Number of acres, by variety and year set

Year set	Grapefruit					Tangerines				
	White seedless	Colored seedless	Seedy	Uniden-tified	Total	Fallglo	Sunburst	Early [1/]	Honey	Total
	Acres									
Pre-1960	675	876	349	0	1,900	0	0	0	117	117
1960-69	7,834	2,666	177	0	10,677	0	0	0	890	890
1970-79	3,916	8,723	182	0	12,821	0	0	0	253	253
1980	134	431	14	0	579	0	18	18	139	157
1981	185	983	14	2	1,184	0	56	56	73	129
1982	184	1,697	16	0	1,897	0	24	24	25	49
1983	167	1,479	31	0	1,677	0	62	62	152	214
1984	210	1,688	3	0	1,901	0	132	132	55	187
1985	134	479	18	0	631	0	86	86	143	229
1986	143	1,197	44	4	1,388	0	157	157	190	347
1987	550	2,662	81	1	3,294	4	639	643	312	955
1988	810	3,480	50	0	4,340	32	1,003	1,035	382	1,417
1989	2,888	3,815	34	0	6,737	226	938	1,164	490	1,654
1990	2,966	3,661	50	22	6,699	350	1,000	1,350	571	1,921
1991	1,782	5,036	25	0	6,843	168	1,648	1,816	574	2,390
1992	1,911	5,226	49	7	7,193	363	1,485	1,848	982	2,830
1993	1,158	2,374	38	0	3,570	660	969	1,629	928	2,557
1994	778	827	3	0	1,608	115	190	305	589	894
1995	1,023	511	7	0	1,541	60	157	217	355	572
1996	858	533	7	0	1,398	59	136	195	387	582
1997	603	433	7	8	1,051	68	147	215	390	605
1998	501	813	13	12	1,339	50	125	175	406	581
1999	249	672	3	4	928	71	87	158	349	507
2000	381	731	6	4	1,122	51	45	96	341	437
Bearing	**30,040**	**50,993**	**1,221**	**64**	**82,318**	**2,277**	**9,104**	**11,381**	**9,093**	**20,474**
2001	768	1,148	11	104	2,031	51	121	172	221	393
2002	672	1,307	3	259	2,241	19	40	59	171	230
2003	719	1,171	1	567	2,458	23	40	63	150	213
Non-bearing	**2,159**	**3,626**	**15**	**930**	**6,730**	**93**	**201**	**294**	**542**	**836**
Total	**32,199**	**54,619**	**1,236**	**994**	**89,048**	**2,370**	**9,305**	**11,675**	**9,635**	**21,310**

[1/] Fallglo and Sunburst varieties.

ALL CITRUS: Number of trees, by variety and year set

Year set	All citrus	Oranges					Specialty		Other citrus
		Early	Midseason	Late	Uniden-tified	Total	Temples	Tangelos	
					1,000 Trees				
Pre-1960	2,491.6	583.0	402.9	1,248.0	2.0	2,235.9	55.6	26.5	4.5
1960-69	5,892.4	1,666.3	876.8	1,962.3	2.5	4,507.9	144.5	152.2	33.6
1970-79	4,540.1	1,141.0	449.7	1,632.6	0.0	3,223.3	17.7	25.0	8.3
1980	755.2	300.1	53.7	312.2	0.0	666.0	0.9	1.9	0.5
1981	1,081.9	521.7	57.3	361.0	0.0	940.0	4.1	2.5	1.0
1982	1,377.3	621.9	90.4	465.5	0.0	1,177.8	2.5	3.4	1.9
1983	2,198.6	1,079.2	175.5	731.7	0.2	1,986.6	2.1	9.1	3.0
1984	1,611.7	673.6	82.3	602.6	0.0	1,358.5	4.0	10.9	2.2
1985	1,666.4	756.4	84.6	702.4	0.2	1,543.6	1.6	9.1	2.9
1986	3,237.4	1,467.6	108.2	1,395.9	0.0	2,971.7	17.1	29.9	11.2
1987	6,041.3	2,491.9	296.0	2,634.0	0.0	5,421.9	11.4	72.2	26.6
1988	5,123.4	1,820.5	236.5	2,225.6	7.6	4,290.2	14.2	95.5	39.8
1989	7,710.5	2,554.9	343.0	3,638.4	3.2	6,539.5	22.9	68.5	23.8
1990	7,148.6	2,003.0	258.5	3,657.5	6.4	5,925.4	5.5	85.9	29.4
1991	8,309.6	2,831.0	317.6	3,837.2	9.2	6,995.0	11.2	106.9	36.0
1992	7,235.9	1,951.3	369.7	3,451.0	8.0	5,780.0	12.9	95.4	31.4
1993	4,605.5	1,118.9	359.2	2,126.3	3.7	3,608.1	12.4	55.5	52.4
1994	2,162.8	492.3	171.9	1,050.8	0.8	1,715.8	1.8	56.3	39.9
1995	2,577.0	852.8	136.1	1,251.4	2.8	2,243.1	8.3	32.0	19.7
1996	2,114.2	529.4	142.5	1,116.6	2.0	1,790.5	9.9	28.1	20.7
1997	2,948.1	717.3	158.3	1,802.8	4.4	2,682.8	14.3	20.8	11.0
1998	2,925.8	692.2	188.1	1,746.4	5.0	2,631.7	7.5	33.8	3.9
1999	3,293.1	1,023.0	206.3	1,752.8	100.5	3,082.6	6.0	16.2	9.4
2000	2,283.4	654.7	211.0	1,095.0	113.1	2,073.8	4.8	14.0	6.7
Bearing	**89,331.8**	**28,544.0**	**5,776.1**	**40,800.0**	**271.6**	**75,391.7**	**393.2**	**1,051.6**	**419.8**
2001	3,478.8	1,123.0	231.1	1,607.7	201.7	3,163.5	9.3	11.7	11.2
2002	2,649.2	706.9	165.5	864.8	557.4	2,294.6	3.4	32.4	11.9
2003	2,485.2	805.5	159.4	803.9	359.9	2,128.7	7.1	33.9	7.0
Non-bearing	**8,613.2**	**2,635.4**	**556.0**	**3,276.4**	**1,119.0**	**7,586.8**	**19.8**	**78.0**	**30.1**
Total	**97,945.0**	**31,179.4**	**6,332.1**	**44,076.4**	**1,390.6**	**82,978.5**	**413.0**	**1,129.6**	**449.9**

Continued

ALL CITRUS: Number of trees, by variety and year set

Year set	Grapefruit					Tangerines				
	White seedless	Colored seedless	Seedy	Uniden-tified	Total	Fallglo	Sunburst	Early [1/]	Honey	Total
	1,000 Trees									
Pre-1960	58.3	70.2	29.2	0.0	157.7	0.0	0.0	0.0	11.4	11.4
1960-69	686.6	244.5	17.5	0.0	948.6	0.0	0.0	0.0	105.6	105.6
1970-79	378.0	843.8	17.5	0.0	1,239.3	0.0	0.0	0.0	26.5	26.5
1980	14.9	45.4	1.4	0.0	61.7	0.0	2.5	2.5	21.7	24.2
1981	19.2	97.7	1.4	0.3	118.6	0.0	6.3	6.3	9.4	15.7
1982	18.2	165.3	1.6	0.0	185.1	0.0	3.8	3.8	2.8	6.6
1983	17.3	151.9	3.4	0.0	172.6	0.0	8.2	8.2	17.0	25.2
1984	22.2	188.8	0.4	0.0	211.4	0.0	16.6	16.6	8.1	24.7
1985	14.4	56.5	1.7	0.0	72.6	0.0	10.5	10.5	26.1	36.6
1986	15.4	135.8	4.4	0.6	156.2	0.0	22.8	22.8	28.5	51.3
1987	56.8	303.9	8.4	0.1	369.2	0.5	92.6	93.1	46.9	140.0
1988	90.6	392.2	4.4	0.0	487.2	4.3	142.3	146.6	49.9	196.5
1989	335.3	459.6	3.5	0.0	798.4	32.9	141.1	174.0	83.4	257.4
1990	335.3	428.3	4.6	2.8	771.0	61.1	166.5	227.6	103.8	331.4
1991	203.5	600.4	2.6	0.0	806.5	24.1	247.5	271.6	82.4	354.0
1992	226.3	650.7	4.6	0.9	882.5	56.7	223.2	279.9	153.8	433.7
1993	139.7	320.5	3.2	0.0	463.4	99.3	152.8	252.1	161.6	413.7
1994	92.8	109.8	0.2	0.0	202.8	17.5	28.6	46.1	100.1	146.2
1995	114.8	63.5	0.7	0.0	179.0	9.9	25.7	35.6	59.3	94.9
1996	103.1	68.0	0.5	0.0	171.6	10.2	21.8	32.0	61.4	93.4
1997	71.4	52.9	0.7	1.1	126.1	10.6	21.1	31.7	61.4	93.1
1998	49.8	107.3	1.4	1.3	159.8	7.3	20.7	28.0	61.1	89.1
1999	26.7	77.7	0.2	0.3	104.9	10.3	11.4	21.7	52.3	74.0
2000	39.8	81.1	0.5	0.3	121.7	7.7	6.3	14.0	48.4	62.4
Bearing	**3,130.4**	**5,715.8**	**114.0**	**7.7**	**8,967.9**	**352.4**	**1,372.3**	**1,724.7**	**1,382.9**	**3,107.6**
2001	80.6	133.9	0.9	13.2	228.6	7.5	15.5	23.0	31.5	54.5
2002	75.2	164.8	0.3	31.2	271.5	3.8	5.1	8.9	26.5	35.4
2003	81.8	132.7	0.0	65.8	280.3	3.2	5.7	8.9	19.3	28.2
Non-bearing	**237.6**	**431.4**	**1.2**	**110.2**	**780.4**	**14.5**	**26.3**	**40.8**	**77.3**	**118.1**
Total	**3,368.0**	**6,147.2**	**115.2**	**117.9**	**9,748.3**	**366.9**	**1,398.6**	**1,765.5**	**1,460.2**	**3,225.7**

[1/] Fallglo and Sunburst varieties.

ALL CITRUS: Acreage and tree numbers, by county and year of inventory [1/]

County	1998	2000	2002	2004	1998	2000	2002	2004
	Acres				*1,000 trees*			
Brevard	10,715	10,045	8,293	6,249	1,114.3	1,054.2	891.1	664.0
Broward	99	58	8	0	9.5	5.2	0.4	0
Charlotte	21,522	21,756	20,493	20,183	3,171.8	3,201.3	3,031.5	2,998.9
Citrus	258	247	147	146	26.5	26.1	17.6	17.1
Collier	35,655	35,302	33,567	34,878	5,251.0	5,208.7	4,948.0	5,101.1
DeSoto	67,192	71,781	70,365	68,559	8,752.4	9,369.6	9,282.3	9,080.1
Glades	10,776	10,506	10,384	10,103	1,683.8	1,691.7	1,664.7	1,640.9
Hardee	52,340	53,115	54,961	54,414	5,928.7	6,116.5	6,466.7	6,462.6
Hendry	100,124	99,437	94,139	93,155	15,408.5	15,324.9	14,444.7	14,298.1
Hernando	1,101	1,105	1,046	971	133.7	134.1	125.3	113.0
Highlands	75,909	78,132	77,391	74,623	9,949.3	10,354.5	10,282.9	9.962.1
Hillsborough	27,428	26,223	23,734	19,187	2,918.1	2,828.9	2,605.0	2,131.1
Indian River	64,138	60,293	56,012	47,539	6,945.6	6,583.6	6,191.3	5,322.3
Lake	20,864	20,101	18,835	17,486	2,815.0	2,736.5	2,598.3	2,415.2
Lee	11,871	11,594	11,874	11,067	1,649.2	1,625.8	1,665.9	1,549.2
Manatee	23,807	23,254	21,922	20,316	2,876.5	2,841.4	2,735.9	2,590.5
Marion	1,181	1,245	1,208	1,212	147.9	154.8	149.1	149.6
Martin	46,439	44,746	42,208	40,330	6,323.1	6,191.2	5,947.6	5,732.2
Miami-Dade	2,792	[2/] 975	[2/] 388	—	470.9	[2/] 168.1	[2/] 67.5	—
Okeechobee	12,244	12,170	12,035	11,891	1,487.6	1,487.1	1,479.0	1,460.9
Orange	9,188	8,095	6,884	5,593	1,101.1	989.3	867.6	666.4
Osceola	15,535	15,273	14,313	13,804	1,696.6	1,695.8	1,624.5	1,594.1
Palm Beach	10,617	10,090	7,964	4,542	1,418.2	1,361.2	1,128.8	699.8
Pasco	11,360	10,897	10,467	9,831	1,488.5	1,435.4	1,395.6	1,323.7
Pinellas	168	50	38	[3/]	15.1	5.6	3.6	[3/]
Polk	102,457	101,484	100,202	95,050	11,620.6	11,666.7	11,625.5	11,147.1
Putnam	191	212	199	205	31.6	36.0	33.4	33.8
St. Lucie	103,894	98,899	92,490	82,987	12,109.7	11,837.8	11,266.2	10,342.0
Sarasota	2,332	2,321	2,182	1,684	253.9	254.5	236.6	190.5
Seminole	1,411	1,378	1,322	1,147	142.5	142.5	138.7	122.5
Volusia	1,477	1,430	1,448	1,344	144.4	139.9	141.5	130.4
Other Counties [3/]	175	36	21	59	24.6	4.6	2.4	5.8
TOTAL	**845,260**	**832,250**	**796,540**	**748,555**	**107,110.2**	**106,673.5**	**103,059.2**	**97,945.0**

[1/] Miami-Dade excluded beginning in 2004.

[2/] Revised.

[3/] Includes Flagler and Sumter in 1998, Sumter only in 2000, Alachua only in 2002, and Alachua and Pinellas in 2004.

ALL CITRUS: Acreage and tree numbers, by variety and year of inventory

Variety	1998	2000	2002	2004	1998	2000	2002	2004
	Acres				*1,000 trees*			
ORANGES:								
Hamlin	216,587	217,214	209,009	200,944	27,288.8	27,632.3	26,808.4	26,037.0
Navel	25,150	23,099	19,752	16,340	3,174.2	2,922.2	2,499.3	2,094.0
Ambersweet	13,314	8,050	5,318	3,355	1,928.3	1,117.9	734.7	460.2
Other early	19,520	18,934	18,731	19,569	2,521.3	2,480.4	2,483.6	2,588.2
Pineapple	53,266	50,397	45,840	41,521	6,380.1	6,128.4	5,664.8	5,197.3
Other mids	5,041	6,277	7,234	8,077	663.0	842.1	1,003.8	1,134.8
Early-midseason-Navel	**332,878**	**323,971**	**305,884**	**289,806**	**41,955.7**	**41,123.3**	**39,194.6**	**37,511.5**
Valencia	314,310	325,625	325,758	321,991	41,952.9	43,925.3	44,303.7	44,076.4
Unidentified	11,202	15,933	17,164	11,024	1,522.0	2,151.5	2,252.8	1,390.6
TOTAL ORANGES	**658,390**	**665,529**	**648,806**	**622,821**	**85,430.6**	**87,200.1**	**85,751.1**	**82,978.5**
GRAPEFRUIT:								
Seedy	3,427	2,385	1,907	1,236	299.2	216.5	173.2	115.2
White seedless	51,641	44,485	40,179	32,199	5,127.3	4,483.9	4,094.7	3,368.0
Colored seedless	76,025	70,437	62,328	54,619	8,453.4	7,876.7	6,935.2	6,147.2
Unidentified	1,724	838	1,074	994	199.2	91.5	126.1	117.9
TOTAL GRAPEFRUIT	**132,817**	**118,145**	**105,488**	**89,048**	**14,079.1**	**12,668.6**	**11,329.2**	**9,748.3**
SPECIALTY:								
Temples	6,454	6,010	4,793	3,578	723.8	686.5	568.9	413.0
TANGELOS:								
Orlando Tangelos	8,579	7,809	6,337	4,908	1,046.1	951.5	792.7	625.7
Minneola Tangelos	3,187	2,959	2,863	2,896	388.9	360.1	349.3	355.3
Other Tangelos	902	813	708	855	121.7	110.2	98.8	148.6
TOTAL TANGELOS	**12,668**	**11,581**	**9,908**	**8,659**	**1,556.7**	**1,421.8**	**1,240.8**	**1,129.6**
K-Early Citrus [1/]	279	212	155	—	34.8	27.7	22.0	—
TANGERINES:								
Robinson Tangerines [1/]	2,613	1,696	1,230	—	366.3	236.0	169.4	—
Fallglo Tangerines	3,686	3,372	2,992	2,370	617.4	554.3	486.1	366.9
Sunburst Tangerines	12,693	12,048	10,786	9,305	1,937.7	1,831.9	1,637.9	1,398.6
Dancy Tangerines [1/]	909	611	411	—	95.8	65.6	45.2	—
Early Tangerines	**19,901**	**17,727**	**15,419**	**11,675**	**3,017.2**	**2,687.8**	**2,338.6**	**1,765.5**
Honey Tangerines	9,533	10,037	9,724	9,635	1,435.6	1,507.2	1,463.0	1,460.2
TOTAL TANGERINES	**29,434**	**27,764**	**25,143**	**21,310**	**4,452.8**	**4,195.0**	**3,801.6**	**3,225.7**
Limes [1/]	2,827	[2/] 993	[2/] 404	—	476.4	[2/] 171.1	[2/] 70.1	—
True Lemons	968	904	742	759	166.4	155.0	128.6	130.6
Meyer Lemons	204	75	70	66	33.1	14.5	13.9	13.1
Other Citrus [1/]	1,219	1,037	1,031	2,314	156.5	133.2	133.0	306.2
TOTAL SPECIALTY	**54,053**	**48,576**	**42,246**	**36,686**	**7,600.5**	**6,804.8**	**5,978.9**	**5,218.2**
TOTAL CITRUS	**845,260**	**832,250**	**796,540**	**748,555**	**107,110.2**	**106,673.5**	**103,059.2**	**97,945.0**

[1/] Beginning with the 2004 Commercial Citrus Inventory, Robinson and Dancy tangerines, K-Early Citrus Fruit, and limes are included in Other Citrus.

[2/] Revised.

ALL CITRUS: Number of acres, by area and year of inventory

Area	Oranges		Grapefruit		Specialty types		Total	
	2002	2004	2002	2004	2002	2004	2002	2004
	Acres							
Indian River	84,329	74,043	75,675	65,236	8,202	6,969	168,206	146,248
Northern	33,340	30,667	1,461	1,335	6,071	5,260	40,872	37,262
Central	167,448	162,761	9,657	7,531	12,728	11,106	189,833	181,398
Western	164,413	157,491	3,746	2,465	5,043	4,242	173,202	164,198
Southern	199,276	197,859	14,949	12,481	10,965	9,109	225,190	219,449
TOTAL	**648,806**	**622,821**	**105,488**	**89,048**	**43,009**	**36,686**	**797,303**	**748,555**

CITRUS INVENTORY PROCEDURES

This biennial inventory, the twentieth in a series which began in January 1966, was conducted using current aerial photography. Aerial photos of the 14,000 square miles covering virtually all of Florida's citrus were taken during a four-month period beginning the first of November 2003.

The inventory procedure starts with a complete mapping and indexing of all citrus plantings onto scaled photo enlargements from the previous census. Aided by stereoscopic viewing, the current aerial photos are compared with photos from the previous census to detect grove changes, tree removals and new tree plantings. Each change observed by the photo interpreter is followed by a visit and ground check which usually results in a revised tree count for the grove. The ground checks are performed by experienced field personnel. Acreages are measured from photo enlargements with a digital planimeter. Tree numbers are from actual tree counts of expansions from measured acreage. Block sizes are reduced as necessary for excessive counts of dead trees or empty spaces, as well as barnyards, turn rows, swale ditches and irrigation ponds.

A record for each separate planting or block is maintained in the data system. A new record is created for each new planting, and records of plantings which no longer exist are removed. In non-freeze years, less than one-third of all blocks require a visit to complete the biennial census.

Production areas were redesigned in 1986 to give greater efficiency for objective forecasting purposes. The principal change was to place all the northern freeze-prone regions in a single area and to set apart the southern flatwoods plantings. The Indian River District follows the boundary of the Indian River Marketing District. This stratification provides greater homogeneity within each sampling stratum.

Personnel from the Division of Plant Industry and the Division of Fruit and Vegetables assisted in completing this survey with trained citrus technologists using four-wheel drive vehicles.